

## Coast Guard, DHS

## § 147.60

(1) By using a container described in paragraph (f)(2), (f)(3), or (f)(5) of this section which has a capacity not exceeding 23 liters (6 gallons); or

(2) In the case of portable outboard fuel tanks described in paragraph (f)(4) of this section, in accordance with paragraph (i) of this section.

(i) Portable containers or portable outboard fuel tanks may be refilled from a larger container of flammable or combustible liquid on the weather deck of a vessel, other than a small passenger vessel subject to Subchapter T of this chapter, provided that—

(1) A drip pan of adequate size is used to collect any drippings; and

(2) At least one Coast Guard approved Type B, Size I, fire extinguisher is within three meters (9.75 feet) of the refilling location.

[CGD 84-044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 92-100, 59 FR 17001, Apr. 11, 1994; CGD 97-057, 62 FR 51048, Sept. 30, 1997; USCG-2006-24797, 77 FR 33885, June 7, 2012]

### § 147.50 Fuel for cooking, heating, and lighting.

(a) Flammable and combustible liquids and gases not listed in this section are prohibited for cooking, heating, or lighting on any vessel, with the exception of combustible liquids on cargo vessels.

(b) Fluid alcohol is prohibited for cooking, heating, or lighting on ferry vessels. Fluid alcohol burners, where wet primed, must have a catch pan not less than  $\frac{3}{4}$  of an inch deep secured inside of the frame of the stove or have the metal protection under the stove flanged up  $\frac{3}{4}$  of an inch to form a pan.

(c) Containers of solidified alcohol must be secured on a fixed base.

(d) Liquefied or non-liquefied gas is prohibited for cooking, heating, and lighting on ferry vessels, but may be used on other inspected vessels if the system in which it is used meets the applicable requirements of subpart 58.16 or subpart 184.05 of this chapter, as appropriate, or is approved by the Commandant (CG-ENG).

(e) Kerosene and commercial standard fuel oil No. 1, No. 2, and No. 3 are prohibited for cooking, heating, or lighting on ferry or passenger vessels, unless the following conditions are met:

(1) Pressure or gravity feed must be used.

(2) Where wet priming is used in a cooking device, the device must have a catch pan not less than three fourths of an inch deep secured inside the frame of the device or a metal protector under the device with a least a three fourths inch flange to form a pan.

(3) Where wet priming is used, a non-flammable priming liquid must be used.

(4) Fuel tanks for fixed stoves must be separated from the stove and mounted in a location open to the atmosphere or mounted inside a compartment with an outside fill and vent.

(5) Fuel lines must have an easily accessible shut-off valve at the tank.

(6) If the fuel tank is outside of a stove compartment, a shut-off valve must be fitted at the stove.

[CGD 84-044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 83-013, 54 FR 6402, Feb. 10, 1989; CGD 95-072, 60 FR 50465, Sept. 29, 1995; CGD 96-041, 61 FR 50731, Sept. 27, 1996]

### § 147.60 Compressed gases.

(a) *Cylinder requirements.* Cylinders used for containing hazardous ships' stores that are compressed gases must be—

(1) Authorized for the proper shipping name of the gas in accordance with 49 CFR 172.101 and 49 CFR part 173;

(2) Constructed in accordance with subpart C of 49 CFR part 178 or exempted under 49 CFR part 107;

(3) Filled, marked, and inspected in accordance with 49 CFR 173.301 through 173.308; and

(4) Except as provided in 46 CFR 147.65, 147.66, and 147.67, maintained and retested in accordance with 49 CFR 180.

(b) *Stowage and care of cylinders.* (1) Cylinders must always be secured and, when not in use, they must be stowed in a rack in an upright position, with the valve protection cap in place.

(2) Lockers or housings must be vented to the open air near the top and bottom for positive circulation of vapors.

(3) Cylinders must be protected from all sources of heat which may cause the cylinders to be heated to a temperature higher than 130 °F.

(c) *Pressure vessels other than cylinders.* Pressure vessels, other than cylinders subject to paragraph (a) of this

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section, used for containing ships' stores that are compressed gases must—

(1) Be constructed and inspected in accordance with part 54 of this chapter; and

(2) Carry only nitrogen or air, unless permission is granted by Commandant (CG-ENG) to do otherwise.

[CGD 84-044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 95-072, 60 FR 50465, Sept. 29, 1995; CGD 96-041, 61 FR 50731, Sept. 27, 1996; USCG-2006-24797, 77 FR 33886, June 7, 2012; USCG-2013-0671, 78 FR 60154, Sept. 30, 2013]

## § 147.65 Carbon dioxide and halon fire extinguishing systems.

(a) Carbon dioxide or halon cylinders forming part of a fixed fire extinguishing system must be retested, at least, every 12 years. If a cylinder is discharged and more than five years have elapsed since the last test, it must be retested before recharging.

(b) Carbon dioxide or halon cylinders must be rejected for further service when they—

(1) Leak;

(2) Are dented, bulging, severely corroded, or otherwise in a weakened condition;

(3) Have lost more than five percent of their tare weight; or

(4) Have been involved in a fire.

(c) Cylinders which have contained carbon dioxide or halon and have not been tested within five years must not be used to contain another compressed gas on board a vessel, unless the cylinder is retested and re-marked in accordance with § 147.60 (a)(3) and (a)(4).

(d) Flexible connections between cylinders and distribution piping of semi-portable or fixed carbon dioxide fire extinguishing systems and discharge hoses in semi-portable carbon dioxide fire extinguishing systems must be renewed or tested at a pressure of 6.9 MPa (1000 psig). At test pressure, the pressure must not drop at a rate greater than 1.03 MPa (150 psi) per minute for a two minute period. The test must be performed when the cylinders are retested.

(e) Flexible connections between cylinders and distribution piping of fixed halon fire extinguishing systems must be tested at a pressure of one and one-half times the cylinder service pressure

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as marked on the cylinder. At test pressure, the pressure must not drop at a rate greater than 1.03 MPa (150 psi) per minute for a two minute period. The test must be performed when the cylinders are retested.

## § 147.66 Inert gas fire extinguishing systems.

(a) Inert gas cylinders forming part of a clean agent fixed fire extinguishing system must be retested every five years, except that cylinders with a water capacity of 125 pounds or less may be retested every 10 years in accordance with 49 CFR 180.209(b).

(b) An inert gas cylinder must be removed from service if it:

(1) Leaks;

(2) Is dented, bulging, severely corroded, or otherwise weakened;

(3) Has lost more than 5 percent of its tare weight; or

(4) Has been involved in a fire.

(c) Flexible connections between cylinders and discharge piping for fixed inert gas fire extinguishing systems must be renewed or retested in accordance with section 7.3 of NFPA 2001 (incorporated by reference, see § 147.7).

[USCG-2006-24797, 77 FR 33886, June 7, 2012]

## § 147.67 Halocarbon fire extinguishing systems.

(a) Each halocarbon cylinder forming part of a clean agent fixed fire extinguishing system must be:

(1) Retested at least once every 12 years and before recharging if it has been discharged and more than five years have elapsed since the last test; or

(2) As an alternative, a cylinder conforming to the requirements of 49 CFR 180.209(g) may be given the complete external visual inspection in lieu of hydrostatic testing provided for by that section.

(b) A halocarbon cylinder must be removed from service if it:

(1) Leaks;

(2) Is dented, bulging, severely corroded, or otherwise weakened;

(3) Has lost more than 5 percent of its tare weight; or

(4) Has been involved in a fire.

(c) Flexible connections between cylinders and discharge piping for halocarbon fire extinguishing systems